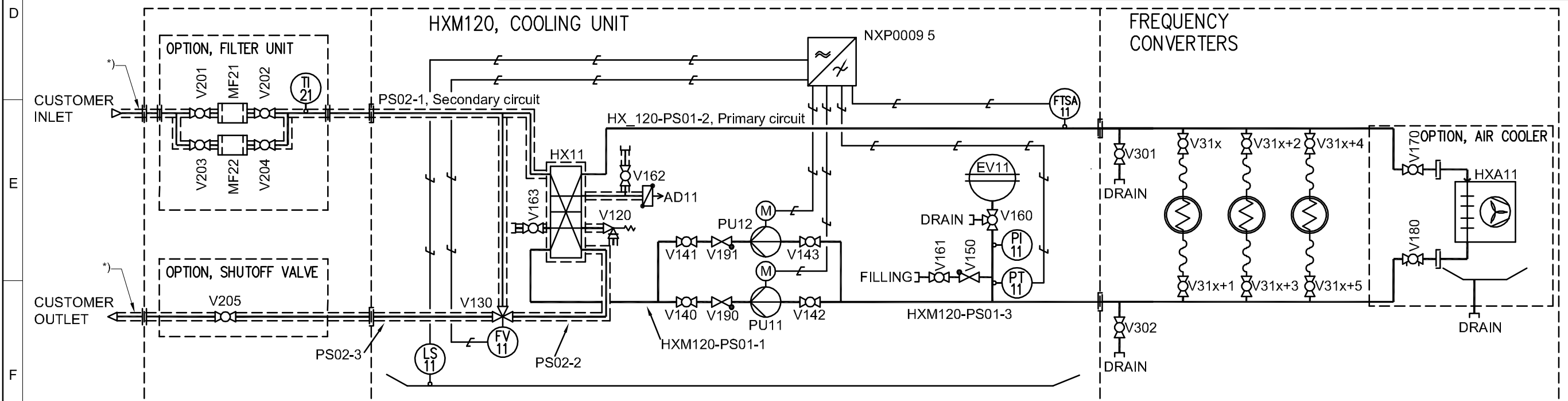


1	2	3	4	5	6	7	8												
		Code	Pcs.	Material	Note.	Name	Nominal pressure												
A	*) To be cold insulated, e.g. with polyethylene, if the temperature of the liquid in the secondary circuit is lower than the ambient temperature and the relative humidity is high.	PU11..12 **)	2	AISI304 / 316	Vacon delivery	Pump Ebara EB 3M 40-160/3, 3x400V /50 Hz, 3kW	PN10												
		HX11	1	AISI316 / Cu-brazed	Vacon delivery	Plate heatexchanger 2" / 1 1/2"	PN25												
		HXA11	1	Cu / Al	Vacon delivery (option)	Water/Air heatexchanger 3/4"	-												
		EV11	1	AISI304 / Butyl	Vacon delivery	Pressure vessel 3/4", pre-pressured to 100kPa, cap.8 litre Connection stainless steel, inside vessel epoxy coating, butyl diaphragm	PN10												
		MF21..22	2	-	Vacon delivery (option)	Y-Strainer	-												
		AD11	1	AISI304 / 316	Vacon delivery	Automatic de-airing unit 3/8"	PN16												
		FTSA11	1	AISI304 / 316	Vacon delivery	Flowswitch 1/2", with analog temperature outlet	PN60												
		PI11	1	AISI304 / 316	Vacon delivery	Pressure indicator 1/4", 0-10 bar	PN20												
		PT11	1	AISI304 / 316	Vacon delivery	Pressure transmitter 1/4", 0-10 bar	PN20												
		TI21	1	-	Vacon delivery (option)	Temperature indicator 1/2", 0-60°C	-												
B	**) Alternative pump: Pump KL, 6.4A, 3x400V, 50Hz, JP151, 3kW, PN10, motor turned 180°, Kolmeks, KL401602300	LS11	1	-	Vacon delivery	Leakage switch 24V AC/DC, 70mA	-												
		V120	1	AISI304 / 316	Vacon delivery	Safety valve 1/2", reliefpressure 6bar Body bronze, nozzle and disc stainless steel	PN25												
		V130	1	EN-JS1030, CW602N	Vacon delivery	Regulating valve DN32 + actuator (FV11)	PN16												
		V140..41	2	AISI304 / 316	Vacon delivery	Ballvalve DN40 Body CF8M, end connections and ball AISI 316	PN64												
		V142..43	2	AISI304 / 316	Vacon delivery	Ballvalve DN65	PN16												
		V150	1	AISI304 / 316	Vacon delivery	Non-return valve 1/2"	PN40												
		V160	1	AISI304 / 316	Vacon delivery	Ballvalve 3-way 3/4", threaded	PN64												
		V161..63	3	AISI304 / 316	Vacon delivery	Ballvalve 1/2"	PN64												
		V170	1	AISI304 / 316	Vacon delivery (option)	Ballvalve 1/2"	-												
		V180	1	Brass	Vacon delivery (option)	Balancing valve 1/2"	-												
C	<table border="1"> <thead> <tr> <th>Pipe name</th> <th>PN10</th> <th>PN16</th> </tr> </thead> <tbody> <tr> <td>PS02-1</td> <td>HX_120-PS02-1</td> <td>HX_120-PS04-2</td> </tr> <tr> <td>PS02-2</td> <td>HX_120-PS02-2</td> <td>HX_120-PS04-3</td> </tr> <tr> <td>PS02-3</td> <td>HX_120-PS02-3</td> <td>HX_120-PS04-4</td> </tr> </tbody> </table>	Pipe name	PN10	PN16	PS02-1	HX_120-PS02-1	HX_120-PS04-2	PS02-2	HX_120-PS02-2	HX_120-PS04-3	PS02-3	HX_120-PS02-3	HX_120-PS04-4	V190..91	2	AISI304 / 316	Vacon delivery	Non-return valve DN40	PN16
		Pipe name	PN10	PN16															
		PS02-1	HX_120-PS02-1	HX_120-PS04-2															
		PS02-2	HX_120-PS02-2	HX_120-PS04-3															
		PS02-3	HX_120-PS02-3	HX_120-PS04-4															
		V201..05	5	-	Vacon delivery (option)	Ballvalve	-												
		V301..02	2	AISI304 / 316	Projects specific delivery	Ballvalve 1/2", threaded	-												
		V31x..	-	AISI304 / 316	Projects specific delivery	Ballvalve 1/2", threaded	-												
		NXP0009 5	1	-	Vacon delivery	Frequency converter, NXP 0009 5A5H1 SSS A1A2B5B5C5	-												



Project **STD HX-unit**
 Customer -
 Doc. no.
 Cust. ref.

Title
HXM120
 AISI304 Piping
 P&ID

Prepared **A-M. Haka 26.06.2007**
 Checked **U. Kähtävä 26.06.2007**
 Approved **J-P. Sampola 26.06.2007**
Vacon Oyj

a	28.11.2008	A-M. Haka	U. Kähtävä	Pumps changed
REV.	DATE	MADE	APPR	DESCRIPTION
DCC	&			
Based on	VL39-5033-05, VL39-5033-15			
Proj. no	Doc. no.	Revision		
-	VL39-5030-10	a		

Object =
 Loc. +
 Sheet **1/1**
 Cont.